

# Two-Directions Scanning Method

## ABSTRACT OF THE INVENTION

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The present invention relates to a scanning method, more particularly, to a two-directions scanning method by using a user interface (UI). At first, a scanning mode is chosen and the first dpi (dots per inch) of the preview procedure is set in the user interface. Then an instruction is keyed in the user interface to make a scan head move along the first scanning direction by using the first dpi and start the first scanning procedure. The first scanning procedure is a preview procedure. After finishing the first scanning procedure, a user can view the first image, which is got from the first scanning procedure, on a monitor and the scan head moves along the second scanning direction by using the second dpi to start the second scanning procedure. The second image data, which is got from the second scanning procedure, is saved in a memory. The second dpi is usually the highest dpi of the scan head. Following the needs of the user, the second dpi can be preset in the user interface to increase the scanning rate of the second scanning procedure. After the user selects a scope of the first image, which he or she wants to get, and the third dpi is set, the user interface will get the partial second image, which is corresponding to the scope of the first image that is selected by the user, by using a program to adjust a graph image coordinate and a dpi scale. At last, the third image, which is got according to the third dpi and the scope of the first image that he or she wants to get, is shown on the monitor.